

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/081090 A1

(51) International Patent Classification⁷: G06F 1/16

(21) International Application Number: PCT/KR2005/000460

(22) International Filing Date: 18 February 2005 (18.02.2005)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
20-2004-0004278
19 February 2004 (19.02.2004) KR

(71) Applicant and
(72) Inventor: LEE, Sang-Rak (KR/KR); 205-102, Deahan Donga Chimsan-2Cha Moojigae, Apt, 233-3, Chimsan-3Dong, Book-Gu, Daegu 706-820 (KR).

(74) Agent: LEE, Seok-Hwa; Rm.504, Woojung Bubwon Building, 175-4, Bumeo-2dong, Susung-Gu, Daegu 706-820 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

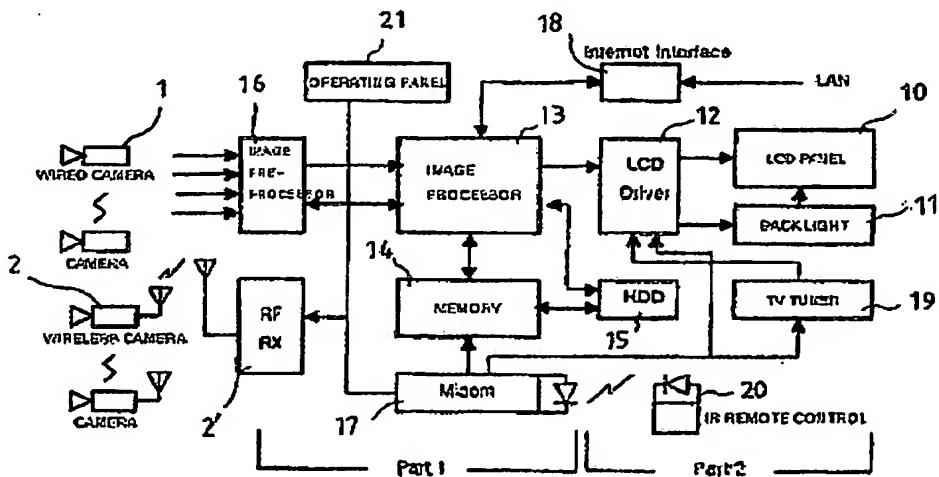
Published:

- with International search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

{Continued on next page}

(54) Title: LCD MONITOR-INTEGRATED DIGITAL IMAGE STORAGE DEVICE

WO 2005/081090 A1



(57) **Abstract:** Provided is a digital image storage device integrated with an LCD monitor such that image processing and storage functions and Internet and TV functions are integrated in a stand alone type. The digital image storage device includes an image processor (13), a memory (14) and a HDD (15), which are required for processing and storing images, in addition to an LCD panel (10), a back light (11), and LCD driver (12), which are components of a conventional LCD monitor. A video signal of a wired camera (1) and a video signal of a wireless camera (2) through a wireless transceiver (2') are converted into digital signals through an image pre-processor (16) and then input to the image processor (13).